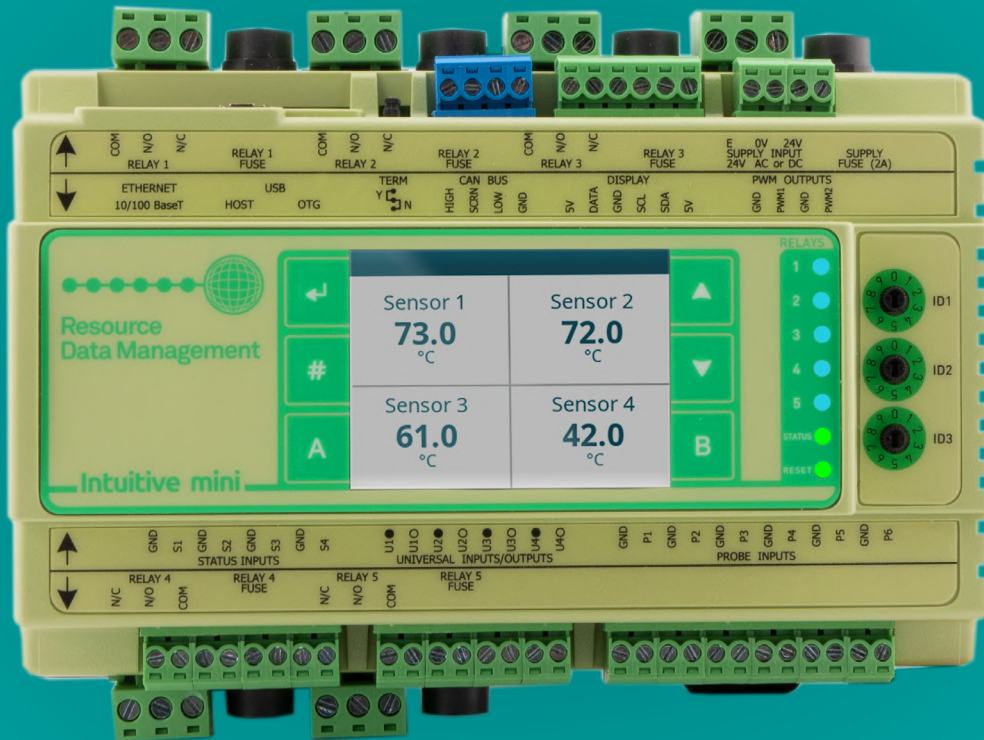


Mini Intuitive TDB Controller



POWERFUL, COMPACT PLC CONTROL

Mini Intuitive includes the same software functionality as the larger version, the Intuitive TDB controller, but in a smaller enclosure, delivering cost and space saving advantages.

The Mini Intuitive TDB controller is a versatile device intended for user programming. PLC software TDB is included for the lifetime of the hardware without annual subscription fees. Based on the technology of the Intuitive TDB controller, the Mini Intuitive has six probe inputs, four digital inputs, four universal inputs and outputs, five relay outputs with optional fusing, and two PWM (pulse width modulation) outputs. Additional options include an integral display and SSR outputs.

Overview

Mini Intuitive controllers are ideally suited for all HVACR applications requiring PLC. They feature multiple communication protocols, such as Web Services and XML over IP, allowing communication with a front-end system such as RDM's DMTouch. RDM's PLC software TDB is included so that Mini Intuitive devices can meet any control and monitoring requirements. The software licence lasts for the lifetime of the hardware. A free-to-download TDB desktop editor is also available to allow users to design, develop and simulate TDB control strategies on their laptop/PC.

Key Features

- Based on open protocols
- Multiple communication options including BACnet/IP (Server Mode) and Modbus RTU RS485 (Client Mode)
- Remote access via a standard web browser
- Optional relay fusing, SSR, integral colour LCD or remote display
- 21 control points expandable to 560
- Five-year warranty

FREE Free Lifetime Software Licences



Free Desktop Software



Multiple Protocols



Cost-Effective Expansion

Technical Specifications

FEATURE	SPECIFICATION
Inputs	6 x probe inputs 4 x digital inputs 4 x universal IO
Outputs	5 x relay outputs (with optional fusing) 2 x PWM outputs 4 x universal IO
Connectivity	1 x CAN bus 1 x USB Host 1 x OTG Port (Host or Device Port) 1 x Ethernet IP Port
LCD Display	2.4" Full Colour TFT Graphic LCD (optional)
Power	Supply Voltage Range: 24 Vac $\pm 10\%$ OR 24 Vdc $\pm 10\%$ Supply Frequency: 50 - 60 Hz $\pm 10\%$ Maximum Supply Current: 1.8A Typical Supply Current: <1A
Environmental	Operating temperature range: Without LCD Display: -40°C to +65°C (-40°F to +149°F) With LCD Display or SRR fitted: -20°C to +65°C (-4°F to +149°F) Operating Humidity: 80% Maximum
Dimensions (HxWxD)	101 x 157 x 67mm (3.97 x 6.18 x 2.63 in)
Approx. Weight	545g (1.20lbs)
Certifications	

For full technical specifications, please refer to the user documentation, available from the Support section of the [RDM website](#).

Ordering Information

X	DISPLAY	Y	FUSE	Z	SOLID STATE RELAYS
CD	Integral Display	NF	Non Fused	E1	Relay 1 SSR
-	No Display	-	Fused Relays	E2	Relays 1-2 SSR's
				▼	▼
				E5	Relays 1-5 SSR's

Part number format: **PR0680 X Y TDB Z**

PR0680 CD NF TDB E3 - Mini Intuitive TDB controller with display, non-fused, three of the five standard electro-mechanical relays replaced with SSRs